UNLEASH 4K VIDEO RECORDING

Open to every opportunity, the XC10 is a compact, lightweight video and digital stills camera that brings professional 4K quality to aspiring filmmakers and enthusiasts. Inheriting many of the Cinema EOS range's features, the XC10 offers incredible recording versatility and is the ideal solution as a small, stand-alone camera for independent film makers or the perfect accompaniment as a supporting camera in larger productions.

Unleashing 4K recording for enthusiasts

Shooters have the freedom to capture a diverse range of scenes in professional 4K quality using a specially developed 10x optical zoom lens, complete with Canon's class-leading image stabilisation technology.

Versatility when you need it

With a versatile 27.3-273mm focal range (35mm equivalent, in video mode) videographers can easily switch between capturing sweeping scenes, to intimate close ups with a single lens. Pros and enthusiasts alike can change between movie recording and still image shooting, capturing high quality 12.0 MP images, or extracting 8.29 MP stills from 4K video footage.

no one sees it like you

Canon

XC10

UNLEASH 4K VIDEO RECORDING

4K

Shooters have the freedom to capture a diverse range of scenes in professional 4K quality using a specially developed 10x optical zoom lens, complete with Canon's class-leading image stabilisation technology

XF-AVC

Canon's new XF-AVC H.264 codec supports recording in both 4K and Full HD quality, enabling easy integration into industry- standard Non-Linear Edit systems

12.0 MEGA PIXELS
HIGH-SENSITIVITY
STILL IMAGE RECORDING

Pros and enthusiasts alike can change between movie recording and still image shooting, capturing high quality 12.0 MP images, or extracting 8.29 MP stills from 4K video footage

1.0 type
CMOS

A powerful combination of a specially developed 1" CMOS sensor and Canon's new DIGIC DV5 image processor gives both budding filmmakers or experienced pros the speed and quality they demand to capture 4K video

Slow Fast Motion

A selection of slow and fast motion recording modes – including up to 1200x fast motion in 4K/Full HD, and up to1/4x slow motion in HD – as well as interval shooting provide further creative opportunities

DiG!C DV 5

Featuring a newly developed DiG!C DV5 image processor, for optimum colour reproduction, faster readout and higher AF speeds

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Wi-Fi compatible enabling remote control of key features via a browser, smartphone or tablet

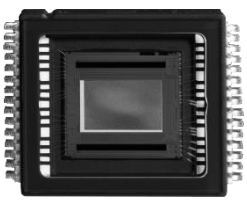
Featuring a 7.66cm vari-angle touch LCD, with 100% field coverage, providing direct access to the menu system through a simple set of cross keys with an included optical loupe viewfinder, that fits the LCD

XC10 can record UHDTV standard (3840 x 2160) 4K footage to an internal CFast 2.0TM card at up to 305Mbps, or Full HD (1920 x 1080) footage to an SD card at up to 50Mbps, with pro-standard 4:2:2 colour sampling for high resolution performance

Compact and lightweight camcorder body broadens the range of image expression with advanced compact optical technology enabling 10x optical zooming with the lens extended by a mere 36.2 mm

4K Video Lens

Using a specially developed 10x optical zoom lens with a versatile 27.3-273mm focal range (35mm equivalent, in video mode) videographers can easily switch between capturing sweeping scenes, to intimate close ups with a single lens



The XC10 delivers rich colour, with a high ISO of up to 20,000 ensuring excellent results in low light conditions, and a 12-stop Wide Dynamic Range, providing vivid detail in both highlights and shadows

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Technical Specifications

XC10

IMAGE SENSOR	
Sensor	1-Inch CMOS
System	Bayer pattern filter
Total pixels per sensor	13.36MP
Effective pixels per sensor	Video Mode: 8.29MP (3840 x 2160); Stills mode: 12MP (4000 x 3000)
Minimum illumination	Auto Mode: NTSC 59.94i: Approx. 6.4 lux (at 1/60 sec. shutter speed) 29.97P: Approx. 3.2 lux (at 1/30 sec. shutter speed) 23.98P: Approx. 2.56 lux (at 1/24 sec. shutter speed) AUTO MODE: PAL 50.00i: Approx. 5.32 lux (at 1/50 sec. shutter speed) 25.00P: Approx. 2.68 lux (at 1/25 sec. shutter speed) Manual Mode, NTSC & PAL 59.94i/29.97P/23.98P/50.00i/25.00P: Approx. 0.05 lux (shutter speed 1/2 sec.)
Horizontal Resolution	1600 lines or more (4K Recording), 800 or more (Full HD recording)
LENS	
Zoom ratio	10x
Focal length	Video Mode: 8.9 - 89mm (27.3-273mm 35mm equivalent) Stills Mode: 4:3 - 24.1 -241mm,/ 3:2 - 25 - 250mm, /16:9 - 27.3 - 273mm (approx.)
Minimum focus distance	50cm across entire zoom range; approx. 8cm at wide macro setting
ND filter	Yes, single density built-in. 1/8 (3-step) equivalent
Zoom control	Manual. 35mm conversion markers provided
Focus control	AF, Face detection and tracking, Push AF, AiAF (Photo Mode) Manual focus ring Touch Focus Function.
Iris control	Auto, manual via control wheel
Aperture range	f/2.8 - f/5.6 (W-T)
Filter diameter	58mm
Lens elements/groups	12 Groups of 14 elements
Aperture blades	8 blade diaphragm. Mechanical shutter built in.
Image stabilization system	Optical (lens shift) + electronic stabilisation. Movie Mode IS options: Dynamic IS[1], Standard IS, Powered IS
Digital zoom	No Digital Zoom. 2 x Digital Teleconverter via assignable button
IMAGE PROCESSOR	
Type	DIGIC DV 5
Sampling accuracy	YCC 4:2:2
Bit depth	8-bit
RECORDING	
Video storage media	4K: CFast 2.0™ card; Full HD/Photo: SD card (Class 10 recommended for 50Mbps)
Capacity	Depends on card used
Recording time	Depends on card capacity. 4K: CFast 2.0™ 64GB approx. 25 min @305Mbps. Full HD 64GB SD card approx. 170 min @50Mbps
Recording file format	Material eXchange Format (MXF)
Recording format	Video Format: XF-AVC. Compression Format: MPEG-4 AVC/H.264
Recording frame rate (PAL model)	4K Recording: 305Mbps/205Mbps at 25.00P Full HD Recording: 50Mbps at 50.00P; 35Mbps at 50.00i/25.00P
Slow/Fast motion	Yes: 1/4x - 1200x speed [1]. Frame rate is 25.00P
Interval Record	Yes, Photo Mode only
Frame Record	No.
Pre Record (cache record)	Yes, in Full HD mode to SD card only. 5 Second pre-record time
Scan Reverse	No
HD->SD conversion	No
Internal Data Transfer	No
Photo storage media	SD card
Still Image quality	8.29 - 12Mp depending on format

SYSTEM	
MONITORING PANEL	
Monitoring Panel	Capacitive touch screen LCD
Size	3-Inch /7.66cm
Dots	approx. 1,030,000
Image quality adjustments	Brightness, Backlight
Adjustable	Yes. 2-axis parallel hinge mechanism
Waveform Monitor	No
Focus Assist	Magnification. Area selectable via touch screen
Peaking	Yes, Red, blue or yellow selectable
Zebra	Yes. 70% or 100%, selectable
Markers	Yes. Horizontal or grid markers white or grey
EVF	
Size	No EVF. Optical loupe viewfinder attachment for LCD screen supplied
INPUTS/OUTPUTS	
Audio in	Built-in stereo microphone, 3.5mm stereo mini jack external microphone
Headphone output	3.5mm Stereo mini jack
Video monitor output	No
HDMI	Yes. Output only
HDMI Video Output (Recording Mode)	Colour Bars (HD output only) Camera Mode: (Dependent on capabilities of external recording device) 305Mps/205Mbps: 3840x2160 (29.97P/23.98P/25.00P) 1920x1080 (59.94P/59.94i/50.00P/50.00i) 720 x 480:59.94P/720 x 576: 50.00P 50 Mbps: 1920 x 1080 (59.94P/59.94i/50.00P/50.00i) 720 x 480: 59.94P/ 720 x 576: 50.00P 35 Mbps: 1920 x 1080 (59.94P/59.94i/50.00P/50.00i) 720 x 480: 59.94P/ 720 x 576: 50.00P
HDMI Video Output (Playback Mode)	NTSC 4K movie playback : 3840x2160/29.97P: 1920x1080/59.94P/59.94i (29.97P) 720x480/59.94P 4K movie playback : 3840x2160/23.98P: 1920x1080/59.94P/59.94i (23.98P) 720x480/59.94P HD movie playback: 1920x1080/59.94P/59.94i 720x480/59.94P PAL 4K movie playback : 3840x2160/25.00P: 1920x1080/50.00P/50.00i 720x576/50.00P HD movie playback: 1920x1080/50.00P/50.00i 720x576/50.00P
USB	Yes mini-B, Hi-speed, Output only
HD/SD-SDI output	No
Time code	Yes, via HDMI
Genlock	No
Component out	No
AV terminal	No
DC input	Yes
Remote Control Terminal	No
Colour Bars	Yes. PAL Model: EB/SMPTE. Can be output via HDMI
MISC	
Tally lamp	Yes
Accessory shoe	Yes, Hotshoe with synch contact for Canon Speedlite
Custom key	No
Custom Dial	No

Technical Specifications

XC10

SHOOTING FUNCTIONS	
EXPOSURE	
Exposure metering	Movie mode: Standard, spotlight, backlight Photo mode: Evaluative, centre-weighted, spot
Exposure compensation	-2.0 - +2.0 stops in 1/3 stop increments (photos) and 1/4 stop increments (movies)
Auto Exposure mode	AUTO/Programmed AE (P)/Shutter-priority AE (Tv)/Aperture-priority (Av) / SCN (Portrait /Sports /Night Scene /Snow /Beach /Sunset /Low Light / Spotlight / Fireworks)
Exposure Lock	Yes (in compatible modes)
Auto Gain Control setting	Yes.
Auto Gain Control limit	28.5dB
ISO Sensitivity	Movie /Photo: ISO 160 - 20000 Movie Mode with Canon Log or Wide DR selected: 500 to 20000
Gain setting	0.0 - 42.0dB At the fine gain setting: Any setting in a 0.5 increment between 0.0 dB and 42.0 dB Movie Mode with Canon Log or Wide DR selected: 9.0 dB (8.5 dB at fine gain setting) to 42.0 dB
SHUTTER SPEED	
Control Modes	Manual, Shutter Priority AE (Tv), Auto Slow Shutter On/Off
Shutter speed	Movie Mode: 1/2, 1/3, 1/4, 1/5, 1/6 to 1/2000 sec. (in 1/4-step increments) Photo Mode: 0.5 sec., 0.4 sec., 0.3 sec., 1/4 - 1/2000 sec. (in 1/3-step increments)
Shutter Angle	No
Slow Shutter (SLS)	Yes
Clear Scan	No
INFARED	
Infrared shooting mode	No
Built-in IR lamp	No
WI-FI & GPS SPECIFICATIONS	
Wireless LAN standards	IEEE 802.11b/g/n (2.4GHz band) / IEEE 802.11a/n (5GHz band*) *5GHz band not available in Qatar
Supported Wi-Fi Functions	Photo Mode: Playback (in browser) from SD card; Download and save images to user terminal device via web browser.
Supported Browser for Remote Operation	Internet Explorer, Safari (iOS), Safari (Mac OS), Android standard browser
Remote Operation Control Features	Aperture, Focus, WB, Shutter Speed, ISO/Gain, Shooting Mode, Start/Stop Recording
Live view image Resolution	Camera setting mode: 680 x 383; Simplified setting: 284 x 160
Authentication Systems	Open/WPA-PSK/WPA2-PSK
Encryption	WEP64, WEP128, TKIP, AES
GPS Information (Optional Accessory)	Latitude/Longitude/Elevation, Coordinated Universal Time (UTC)

WHITE BALANCE	
Auto	YES
Preset	6 Presets: Daylight, Shade, Cloudy, Tungsten (incandescent lamps or halogen bulbs), Fluorescent H (3-wavelength type fluorescent), Fluorescent (white fluorescent)
Shockless WB	Yes
Manual setting	Set 1, Set 2 (Default 5,500K)
TIME CODE	
Countup system	Regen/Rec Run/Free Run/Preset (Non-Drop Frame)
Start value setting	"00:00:00:00", Set/Reset selectable
AUDIO	
Recording	Linear PCM (2ch, 16 bit, 48 kHz)
Audio Scene (Movies)	Standard/Music/Festivals/Speech/Meetings/Forest and Birds/Noise Suppression/Custom Setting* (*) Custom setting cannot be selected in Auto mode.
Audio Settings (Movie Mode)	Built-in Mic Wind Screen: Auto High/Auto Low/Off Internal mic attenuator: Auto / On / Off Built-in Mic Frequency: Response: Normal, low-range boosting, low-range cutting, mid-range boosting, low and high-range boosting Built-in Mic Directionality: Monaural / Normal / Wide / Zoom: MIC Att. Auto / On / Off : MIC Low Cut. On/Off: Audio limiter, On/Off: Audio compressor: High/Low/Off
ACCESSORIES	
Supplied	Lens hood, (Loupe) Viewfinder Unit, Remote Controller (RC-6), Battery Pack LP-E6N, High Speed HDMI Cable (HTC100/S), Compact Power unit CA-570, AC Cable, Interface Cable (IFC-300PCU/S), Shoulder Strap
Optional	Canon Battery Charger LC-E6/LC-E6E GPS receiver GP-E2, Canon Speedlites (270EX II, 320EX (with video light), 430EX II, 580EX II, 600EX-RT) - 2nd curtain synchronisation and wireless functions not supported, Canon PROTECT Filter 58 mm, Canon ND4-L Filter 58 mm, Canon ND8-L Filter 58 mm
Battery Type	LP-E6N (7.2v,1865 mAh) supplied
Power Consumption	Approx. Max. Recording: 6.0W[2]/Playback: 4.1W
Continuous Recording Time	Approx.: 110 mins (maximum) / 75 mins(typical)[2]
MISCELLANEOUS	
Dimensions	Approx. 125x102x122mm (body only) Approx. 131x115x238mm (with viewfinder unit and lens hood)
Weight (camera only)	Approx. 930g
Weight (fully equipped)	Approx. 1040g (with lens hood, battery, CFast 2.0™ card and SD card)
Operating Temperature range	Approx. 0° C to 40° C, 85% (relative humidity) Approx. -5° C to 45° C, 60% (relative humidity)

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.

[1] *Dynamic IS not possible when recording in 4K or using Slow & Fast Motion mode*
[2] *In 4K rec. mode 1/4 x and 1/2 x speed not possible to CFast 2.0 ™ card. In Full HD to SD card, 1/4 x rec is 1280 x 720*
[3] *Recording time to CFast 2.0™ card. 305Mbps, at 25.00P, PAL mode*
Canon is an authorised licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions

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